REMARKS

This Preliminary Amendment is presented in order to delete the claims elected in the parent application, such that the present divisional application is directed to the claims 3-22 and 28-34 non-elected in the parent application.

This Preliminary Amendment is also effective to add the continuing data to page 1 of the specification.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached pages are captioned "**Version with markings to show changes made**."

Respectfully submitted,

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TITLE OF THE INVENTION

OPTICAL TRANSMISSION SYSTEM FOR FREQUENCY-MULTIPLEXED SIGNAL

4 This application is a divisional application of application Serial No. 09/593,659, filed June 13, 2000.

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention relates to optical transmission systems and, more specifically, to a system of optically transmitting a frequency-multiplexed signal with a plurality of signals frequency-multiplexed therein.

Description of the Background Art

FIG. 14 is a block diagram showing an example of configuration of a conventional optical transmission system for a frequency-multiplexed signal. This optical transmission system is hereinafter referred to as a first background art. In FIG. 14, a multiplexer 1400 to which a plurality of signals having carriers with predetermined different frequencies are supplied; a modulator 1408 to which a signal outputted from the multiplexer 1400 is supplied; an optical transmitter 1404 to which a signal outputted from the modulator 1408 is supplied; an optical receiver 1405 for receiving an optical signal sent from the optical transmitter 1404; and a demodulator 1409 to which a signal outputted from the optical receiver 1405 is supplied.

The operation of the above optical transmission system in